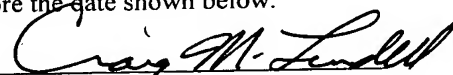


1764

TS 1286 (US)  
CML:KNL

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on or before the date shown below.

  
Craig M. Lundell

Date: June 19, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )

AREND HOEK )

Serial No.: 10/521,668 )

Filed: January 18, 2005 )

PROCESS TO PREPARE A MICRO-  
CRYSTALLINE WAX AND A MIDDLE  
DISTILLATE FUEL )

Group Art Unit: 1764

Examiner: Tam M. Nguyen

June 19, 2007

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56 AND 1.97**

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant, non-US documents are enclosed.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

//CML/AMDS/TS1286 SIDS.doc

1

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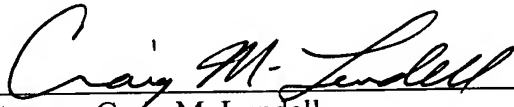
180.00 DA

Applicant would also like to bring to the Examiner's attention the following related cases in addition to the three cases that are currently the basis for provisional double patenting rejections: Serial Nos. 10/467,896 and 10/471,037.

The Commissioner is authorized to charge to Shell Oil Company, Deposit Account No. 19-1800 the \$180.00 fee associated with the filing of this Supplemental Information Disclosure Statement.

Respectfully submitted,

AREND HOEK

By   
Attorney, Craig M. Lundell  
Registration No. 30,284  
(713) 241-2475

P.O. Box 2463  
Houston, Texas 77252-2463



FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
TS1286 (US)APPLICATION NUMBER  
10/521,668APPLICANT  
Arend HoekFILING DATE  
January 18, 2005GROUP ART UNIT  
1764

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	US20040192979	9/04	Matthai et al	585	16	
	AB	US3876522	4/75	Campbell et al	208	58	
	AC	US6059955	5/00	Cody et al	208	18	
	AD	US5372703	12/94	Kamiya et al	208	58	
	AE	US6090989	7/00	Trewalla et al	585	13	
	AF	US6179994	1/01	Clark et al	208	27	
	AG	US6627779	9/03	O'Rear	585	302	
	AH	US6103099	8/00	Wittenbrink et al	208	27	
	AI	US4983273	1/91	Kennedy et al	208	89	
	AJ	US5135638	8/92	Miller	208	27	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK	EP0471524	2/92	EP	C10G	65/04		
	AL	WO199603359	2/96	WO	C07C	1/04		
	AM	WO2002070630	9/02	WO	C10G	65/12		
	AN	WO2002070629	9/02	WO	C10G	65/12		
	AO	GB713910	8/54	GB	C10G	45/62		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Fisher-Tropsch Waxes (LeRoux, Oranje) Part I
	AS	Sasolwax H1 Certificate of Analysis
	AT	Gas Chromatography Analysis of Sasolwax H1

EXAMINER

DATE CONSIDERED

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	US2603589	3/50	Schaerer	196	17	
	AB	US5362378	11/94	Borghard et al	208	138	
	AC	US5447621	9/95	Hunter	208	058	
	AD	US5456820	10/95	Forbus, Jr. et al	208	111	
	AE	US5770542	6/98	Brandes et al	502	527	
	AF	US5804058	9/98	Grandvallet et al	208	171	
	AG	US5935417	8/99	Cody et al	208	87	
	AH	US6165949	12/00	Berlowitz et al	508	363	
	AI	US4343692	8/82	Winquist	208	111	
	AJ	US5370818	12/94	Schleifstein	252	186.25	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	WO2001074969	10/01	WO	C10G			
	AL	WO2002096842	12/02	WO (Abstract included)	C07C	4/00		X
	AM	WO200107469	2/01	WO	C07K	14/00		
	AN	WO199934917	7/99	WO	B01J	23/75		
	AO	AU698392	9/95	AU	C01G	49/14		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Letter dated 14 <sup>th</sup> June 2004 from Shell to EPO on EP 02726138.7
	AS	Register extract for EP20020732741.0
	AT	Dissertation of Glenda Webber, September 2000, "Wax Characterisation by Instrumental Analysis", pages 52-58 .

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	AA	US4582616	4/86	Kita et al	252	17	
	AB	US4299714	11/81	Sugiura et al	252	73	
	AC	US6627779	9/03	O'Rear	585	302	
	AD	US20030119682	6/03	Saini et al	508	167	
	AE	US20030118744	6/03	Li et al	427	512	
	AF	US3965018	6/76	Heilman et al	252	59	
	AG	US6060437	5/00	Robson et al	508	371	
	AH	US5693598	12/97	Abraham et al	508	444	
	AI	US6642189	11/03	Kurihara et al	508	364	
	AJ	US2004/0099571	5/04	Germaine et al	208	108	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	WO200014179	3/00	WO	C10G	2/00		
	AL	EP0532118	3/93	EP	C10G	47/14		
	AM	WO199410263	5/94	WO	C10G	45/60		
	AN	EPA0776959	6/97	EP	C10G	65/04		
	AO	EP237655	9/87	EP	C10G	65/04		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	M.M.G. Senden, "The Shell Middle Distillate Synthesis Process: Commercial plant experience and outlook into the future". Petrole et Techniques, Association Francaise Des Technic, Paris, Fr., No. 415, July 1998, XP00771962, pgs 94-97.
	AS	"Shell Middle Distillate Synthesis", Internet article, XP-002214343.
	AT	Sie, S. T. et al, "Conversion of Natural Gas to Transportation Fuels Via the Shell Middle Distillate Synthesis Process (SMDS)", Catalysis Today, Vol. 8, 1991, pgs. 371-394

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	US5157191	10/92	Bowes et al	585	533	
	AB	US5059299	10/91	Cody et al	208	27	
	AC	US4574043	3/86	Chester et al	208	59	
	AD	US4859311	8/89	Miller	208	89	
	AE	US4943672	7/90	Hamner et al	585	737	
	AF	US5053373	10/91	Zones	502	64	
	AG	US5252527	10/93	Zones	502	64	
	AH	US4919788	4/90	Chen et al	208	59	
	AI	US5723716	3/98	Brandes et al	585	734	
	AJ	US5856365	5/99	Zennaro et al	518	715	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	WO199802503	1/98	WO	C10G	65/12		
	AL	WO200014184	3/00	WO	C10G	65/00		
	AM	WO200015736	3/00	WO	C10G	65/00		
	AN	WO199721788	6/97	WO	C10G	67/04		
	AO	WO200118156	3/01	WO (Abstract included)	C10M	101/02		X

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Avilino Sequeira, Jr., Marchel Dekker Inc. "Lubricant Base Oil and Wax Processing". New York 1994, pgs 162-165.
	AS	Peter J.A. Tijm, Shell Intl Gas Ltd, Alternative Energy 1995, "The Markets for Shell Middle Distillate Synthesis Products", Vancouver, Canada, May 2-4, 1995.
	AT	Shell MDS (Malaysia) "Manufacturing Clean Products From Natural Gas". May 1995.

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	AJ						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	EP426223	5/91	EP	F01L	3/20		
	AL	EP1366134	11/05	EP	C10G	65/12		
	AM	EP1365005	11/03	EP	C10G	65/04		
	AN	EP113579	7/84	EP	C10M	1/50		
	AO	WO200014188	3/00	WO	C10M	105/04		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	ASTM D86 - Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure.
AS	ASTM D1160 - Standard Method for Distillation of Petroleum Products at Reduced Pressure.
AT	ASTM D2887 Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography.

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## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	WO200014187	3/00	WO	C10M			
	AL	WO199523765	9/95	WO	C01G	49/14		
	AM	EP1370633	8/05	EP	C10M	169/04		
	AN	EP323092	7/89	EP	C10G	45/62		
	AO	WO2002064710	8/02	WO	C10M	101/02		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	Extract from the website <a href="http://www.schu.ac.uk">http://www.schu.ac.uk</a> . providing a description of the gas chromatography technique.
AS	Introduction to Organic Laboratory Techniques", D L Pavia et al. 1976. pages 614-625.
AT	Letter from the Patentee to the EPO dated June 14, 2004 in European Patent Application No. 02716826.9.

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	AJ						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK	WO200157166	8/01	WO	C10M	171/02		
	AL	WO2002064711	8/02	WO	C10G	45/58		
	AM	EP1389635	2/04	EP	C10G	67/04		
	AN	JP401133988A	5/89	JP (Abstract)	C04B0	38/00		
	AO	EPA0668342	8/95	EP	C10G	65/04		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	Extract from web-site <a href="http://www.deh.gov.au">http://www.deh.gov.au</a> , providing a summary of the development of the European Union fuel standard through the years 1993 and 2000 (so-called "Euro-2" and "Euro-3" respectively) and beyond, for petrol (gasoline) and diesel fuel.
AS	Lewis, Sr., Richard J.: Hawley's Condensed Chemical Dictionary, 14th Ed., John Wiley & Sons, New York, 2001 (pg. 228).
AT	Ballard, D. H., "Generalizing the Hough Transformation to Detect Arbitrary Shapes, Pattern Recognition, Vol. 13, No. 2, pgs. 111-122, 1981.

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## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AK	EP832171	1/00	EP	C10G	45/64		
	AL	WO199920720	4/99	WO	C10M	143/08		
	AM	WO200029511	5/00	WO	C10G	45/64		
	AN	WO199718278	5/97	WO	C10G	47/00		
	AO	EP1102827 (WO2000008115)	9/02	EP	C10G	45/58		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Z. Liang & C. S. Hsu, "Molecular Speciation of Saturates by On-Line Liquid Chromatography-Field Ionization Mass Spectrometry". Energy & Fuel, April 1998.
	AS	Kirk-Othmer Ency. of Chem. Tech., 3 <sup>rd</sup> Ed., Vol. 14, pgs. 477-526.
	AT	Copy of Affidavit of John Rosenbaum dated 04 November 2004, filed in connection with opposition proceedings on EP-B-1102827.

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							Yes	No
	AK	WO200107538	2/01	WO	C10G	45/64		
	AL	WO200014183	3/00	WO	C10G	45/58		
	AM	WO2002070627	9/02	WO	C10G	65/00		
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	Opponent Shell submission in opposition proceedings against EP-B-1102827, letter dated 02 November 2004, pages 2 and 16-22.
AS	1996 exchange of correspondence between Shell Malaysia and Yukong.
AT	1996 sales invoice of waxy raffinate to Bentley Chemplax (Australia).

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	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	Bill from Showa Shell to General Sekiyu dated 12 June 1997.
AS	Copy of Affidavit of Mr. Masami Sakaguchi dated 17 June 2004
AT	Internal Showa Shell note dated 17 December 1996 re shipment of Process Oil 123X

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	AL							
	AM							
	AN							
	AO							

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AR	Sample Request Form for waxy raffinose July 1996
AS	1993 Showa Shell brochure on XHVI
AT	Shell records relating to retained sample of commercial XHVI 5.2 base oil

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	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	1996 exchange of correspondence between Chevron and Shell Malaysia.
	AS	R.M. Mortier & S.T. Orszulik, "Chemistry and Technology of Lubricants", 2 <sup>nd</sup> Ed., pgs. 4-5, 1997.
	AT	Copy of Affidavit of Susan Abernathy, filed in the Opposition to EP1368446.

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DATE CONSIDERED

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FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TS1286 (US)APPLICATION NUMBER  
10/521,668LIST OF INFORMATION PROVIDED  
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(Use several sheets if necessary)

APPLICANT  
Arend HoekFILING DATE  
January 18, 2005GROUP ART UNIT  
1764

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Affidavit of Dennis O'Rear
	AS	Lucie Coniglio and Armelle Nouviaire "A Method for Estimating the Normal Boiling Point of Heavy Hydrocarbons Suitable for a Group-Contribution-Based Equation of State", published in 2001 by the American Chemical Society, Inc. Eng. Chem. Res. 2001, 40, 1781-1790.
	AT	SAE Surface Vehicle Standard J300, Rev. Dec. 1999, J. Mass Spectrometry, Vol. 31, 383-388 (1996), Klesper & Rollgen

EXAMINER

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